

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PC489GQ ✓	FOR FURTHER ACTION <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. PCT/EP2004/003105 ✓	International filing date (day/month/year) 24/03/2004 ✓	(Earliest) Priority Date (day/month/year) 27/03/2003 ✓
Applicant FIAT AUTO S.P.A. ✓		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant. ✓

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1 ✓

☒ as suggested by the applicant. ✓

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

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International application No.

PCT/EP2004/003105 ✓

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The system controls the propulsion of a motor vehicle with a propulsion system (1) which includes an internal combustion engine (E) with a shaft (S) for coupling to a transmission (2). The system includes an accelerator (A) with an associated sensor devices (S1) for supplying electrical signals indicating the force (Fp) applied on the accelerator (A) by the driver, and an actuator device (6) operable to alter the position of the accelerator (A); sensor devices (S2) supplying electrical signals indicating the speed of rotation (n) of the shaft (S) and/or the vehicle speed (V); and an electronic control unit (SCU) operable to control the propulsion system (1) in dependence on the signals supplied by the sensor devices (S1) and (S2). The control unit (SCU) acquires the signals generated by the sensor (S1) and establish an instantaneous value for the traction force (FX) to be developed on the ground by the drive wheels (W) corresponding to the instantaneous value of the force (FP) applied to the accelerator (A); and control the actuator device (6) in such a way that this latter tends to place the accelerator (A) in a position which corresponds to the instantaneous value of the vehicle speed (V).

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International Application No

PCT/EP2004/003105

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F02D11/10 B60K26/02 B60K41/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02D B60K F02N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/02210 A (FIAT RICERCHE ;PORTA ATTILIO (IT); ELLENA GIOVANNI (IT); LUPO MASS) 11 January 2001 (2001-01-11) cited in the application the whole document	1-8
Y	GB 2 114 717 A (BRITISH AEROSPACE) 24 August 1983 (1983-08-24) page 2, line 19 - page 3, line 33 figure 1	1-8
A	EP 1 052 400 A (NISSAN MOTOR) 15 November 2000 (2000-11-15) the whole document	7,8
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

29 June 2004

Date of mailing of the international search report

13/08/2004

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/003105

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 017, no. 686 (M-1529), 15 December 1993 (1993-12-15) & JP 05 231194 A (NIPPONDENSO CO LTD), 7 September 1993 (1993-09-07) abstract -----	1
A	US 5 568 797 A (LANDERRETICHE ALAIN) 29 October 1996 (1996-10-29) column 1, line 55 - column 2, line 38 -----	1
A	EP 0 559 342 A (HITACHI LTD) 8 September 1993 (1993-09-08) the whole document -----	1-8
A	US 4 353 272 A (REMBOLD HELMUT ET AL) 12 October 1982 (1982-10-12) the whole document -----	1-8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/003105

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0102210	A	11-01-2001	IT T0990579 A1 WO 0102210 A1 EP 1198365 A1 JP 2003503634 T US 6684145 B1	05-01-2001 11-01-2001 24-04-2002 28-01-2003 27-01-2004
GB 2114717	A	24-08-1983	CA 1214510 A1 DE 3380420 D1 DE 3382431 D1 EP 0085518 A1 EP 0265738 A2 ES 8402435 A1 JP 58132812 A US 4513235 A US 4516063 A	25-11-1986 21-09-1989 14-11-1991 10-08-1983 04-05-1988 16-04-1984 08-08-1983 23-04-1985 07-05-1985
EP 1052400	A	15-11-2000	JP 2000320367 A JP 2001059437 A EP 1052400 A2	21-11-2000 06-03-2001 15-11-2000
JP 05231194	A	07-09-1993	NONE	
US 5568797	A	29-10-1996	FR 2685667 A1 AT 136264 T CA 2126676 A1 DE 69209660 D1 DE 69209660 T2 EP 0617674 A1 ES 2088272 T3 WO 9312949 A1 JP 7508235 T	02-07-1993 15-04-1996 27-06-1993 09-05-1996 05-12-1996 05-10-1994 01-08-1996 08-07-1993 14-09-1995
EP 0559342	A	08-09-1993	JP 3318945 B2 JP 5240072 A DE 69303061 D1 DE 69303061 T2 DE 69328878 D1 DE 69328878 T2 EP 0559342 A2 EP 0698517 A2 US 5468196 A US 6095117 A US 5580334 A US 5665029 A US 5724866 A US 5681238 A US 5888166 A	26-08-2002 17-09-1993 18-07-1996 27-02-1997 20-07-2000 07-12-2000 08-09-1993 28-02-1996 21-11-1995 01-08-2000 03-12-1996 09-09-1997 10-03-1998 28-10-1997 30-03-1999
US 4353272	A	12-10-1982	DE 2811574 A1 DE 2861659 D1 WO 7900781 A1 EP 0015907 A1 JP 1056006 B JP 55500122 T	27-09-1979 08-04-1982 18-10-1979 01-10-1980 28-11-1989 06-03-1980